

Math 112
LQuiz 09

2022-02-17 (R)

Your name: _____

Exercise

(4 pt) Compute the following limits. Justify your steps.

(a) (2 pt) $\lim_{x \rightarrow 0} \frac{e^{3x^2} - 1}{x^2}$

(b) (2 pt) $\lim_{x \rightarrow 0} \frac{\sqrt{1+x^2} - \sqrt{1-x^2}}{x^2}$